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## WHAT IS CLAIMED IS:

1. A method for manufacturing a laminated stator core for an electric motor, said method comprising the steps of:

providing a plurality of generally planar laminas, each lamina having an axis substantially perpendicular to the lamina plane;

forming a plurality of notches in the lamina; and

forming a plurality of interlock tabs, the notches extending outward from the interlock tabs to an outside diameter of the laminas.

- 2. The method according to Claim 1 wherein the plurality of interlock tabs have an oblong shape.
- 3. The method according to Claim 2 wherein the interlock tabs have an inside edge, an outside edge, and a pair of substantially semi-circular edges.
- 4. The method according to Claim 1 wherein each lamina includes at least two interlock tabs.
- 5. The method according to Claim 1 wherein said method further comprising the steps of:

stacking each lamina on top of an adjacent lamina to form a stack of laminas; and

stacking a first lamina, a plurality of interior laminas, and a last lamina such that the interlock tabs of the first lamina and the interior laminas engage an adjacent lamina to prevent shifting therebetween.

- 6. The method according to Claim 5 wherein the first and the last lamina include an upper surface and a lower surface, the upper surface substantially parallel to the lower surface, the first lamina's upper surface and the last lamina's lower surface substantially parallel to each other and substantially flat.
- 7. A method for manufacturing a laminated stator core for an electric motor, said method comprising the steps of:

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providing a plurality of generally planar laminas, each lamina having an axis substantially perpendicular to the lamina plane; and

forming a plurality of interlock tabs, wherein the interlock tabs extend to an outside diameter of the laminas.

8. An electric motor comprising:

a housing;

a stator comprising a stator core, said stator at least partially within said housing, said stator core comprising a plurality of generally planar laminas, each lamina having an axis, each said lamina comprising a plurality of notches and a plurality of interlock tabs, the notches extending outward from the interlock tabs to an outside diameter of said laminas; and

a rotor having a rotor core and disposed at least partially within said stator.

- 9. The electric motor according to Claim 8 wherein said rotor is disposed coaxially within said stator.
- 10. The electric motor according to Claim 8 wherein said interlock tabs have an oblong shape, an inside edge, an outside edge, and a pair of semi-circular edges.
- 11. The electric motor according to Claim 8 wherein said each said lamina includes at least two interlocking tabs.
- 12. The electric motor according to Claim 8 wherein each said lamina of said stator core stacked on top of an adjacent lamina to form a stack of laminas, said stack of lamina further comprising a first lamina, a plurality of interior laminas, and a last lamina, said plurality of interior laminas arranged in-between said first and said last lamina, said each lamina having at least a plurality of interlock tabs, said plurality of interlock tabs received by each adjacent lamina to enhance the engagement between said laminas.

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13. The electric motor according to Claim 12 wherein said first lamina and said last lamina further comprising an upper surface and a lower surface, said upper surface substantially parallel to said lower surface, said first lamina's upper surface and said last lamina's lower surface substantially parallel to each other and substantially flat.

## 14. An electric motor comprising:

## a housing;

a stator comprising a stator core, said stator at least partially within said housing, said stator core comprising a plurality of generally planar laminas, each lamina having an axis, each said lamina comprising a plurality of interlock tabs, the plurality of interlock tabs extending outward to an outside diameter of said laminas; and

a rotor having a rotor core and disposed at least partially within said stator.

## 15. A stator core comprising

a plurality of generally planar laminas, each said lamina having a plurality of notches with a first axis of symmetry and a plurality of interlock tabs with a second axis of symmetry, the notches extending from the interlock tabs to an outside diameter of said laminas.

- The stator core according to Claim 15 wherein said first axis of symmetry and said second axis of symmetry of coincide.
- The stator core according to Claim 15 wherein said first axis of symmetry and said second axis of symmetry do not coincide.
- 18. The stator core according to Claim 15 wherein said first axis of symmetry is positioned at an angle  $\alpha$  with respect to said second axis of symmetry.
  - 19. The stator core according to Claim 15 wherein said interlock tabs have oblong shape, an inside edge, an outside edge, and a pair of semi-circular edges.

- 20. The stator core according to Claim 15 wherein the interlock tabs includes a third axis of symmetry, said third axis of symmetry perpendicular to said first and said second axis of symmetry, said first axis of symmetry further located a pre-determined distance from said second axis of symmetry.
- 21. A stator core comprising a plurality of generally planar laminas, each said lamina having a plurality of interlock tabs with an axis of symmetry, the interlock tabs extending to an outside diameter of said laminas.